
Sun Block Use

Definition: Respondents who answered “always” or “nearly always” to the question: “When you are outside for more than one hour on a sunny day, how often do you wear sun block or sunscreen with an SPF of 15 or higher?”

Prevalence of Sun Block Use

- South Dakota 26.9%
- There is no nationwide median for the use of sun block

Healthy People 2010 Objective

There was no stated Healthy People 2010 Objective for sun block use.

Trend Analysis

This was the first year this question was asked, so no trend analysis could be done.

Demographics

Gender	Males exhibit a significantly higher percentage of those who do not use sun block most of the time.
Age	There is no significant age difference observed from the available data.
Race	American Indians demonstrate a significantly higher prevalence of not using sun block most of the time than whites.
Region	The northeast and American Indian counties regions show a very high prevalence of not using sun block while the other three regions show a very low prevalence. These regional differences are much more evident in males.
Household Income	The prevalence of not using sun block generally decreases as household income increases.
Education	The prevalence of not using sun block decreases as education increases.
Employment Status	Those who are self-employed exhibit a very high prevalence of not using sun block, while those who are a homemaker show a very low prevalence.
Marital Status	Those who are divorced, separated, or have never been married exhibit a very high prevalence of not using sun block, while those who are married or widowed show a very low prevalence.

Table 51
Respondents Who Do Not Use Sun Block Most of the Time, 2007

	Total			Male			Female		
	# Resp.	%	95% CI	# Resp.	%	95% CI	# Resp.	%	95% CI
Total	5,764	73.1	(71.4-74.7)	2,554	84.9	(83.0-86.5)	3,210	60.7	(58.1-63.3)
Age									
18-24	222	78.1	(70.0-84.5)	112	95.8	(88.4-98.6)	110	60.8	(48.4-71.9)
25-34	695	75.8	(72.0-79.2)	273	86.1	(80.8-90.1)	422	65.1	(59.7-70.1)
35-44	842	68.2	(64.4-71.8)	389	77.7	(72.4-82.2)	453	58.4	(52.9-63.6)
45-54	1,257	72.2	(69.2-75.0)	548	85.8	(82.1-88.8)	709	58.0	(53.7-62.3)
55-64	1,168	70.4	(67.3-73.4)	534	80.1	(75.7-83.9)	634	58.7	(54.1-63.1)
65-74	833	74.1	(70.5-77.4)	378	84.6	(79.8-88.4)	455	62.9	(57.4-68.0)
75+	698	74.7	(70.6-78.4)	309	84.2	(78.8-88.4)	389	65.3	(59.4-70.8)
Race									
White	5,068	72.1	(70.3-73.8)	2,261	83.8	(81.8-85.6)	2,807	59.9	(57.1-62.6)
American Indian	488	83.6	(78.3-87.8)	198	92.8	(86.4-96.3)	290	74.6	(66.2-81.5)
Region									
Southeast	1,263	72.7	(69.3-75.8)	578	84.7	(81.1-87.7)	685	59.4	(54.1-64.4)
Northeast	1,238	76.4	(73.3-79.1)	573	87.9	(84.6-90.6)	665	62.4	(57.6-67.0)
Central	1,200	74.2	(71.1-77.1)	522	85.8	(82.0-88.9)	678	62.9	(57.9-67.6)
West	1,318	68.1	(64.7-71.2)	557	79.0	(74.8-82.7)	761	58.6	(53.7-63.4)
American Indian Counties	745	82.3	(77.9-85.9)	324	93.4	(88.2-96.3)	421	70.3	(63.3-76.5)
Household Income									
Less than \$10,000	217	79.8	(66.5-88.7)	*	*	*	*	*	*
\$10,000-\$14,999	276	78.3	(70.7-84.4)	103	93.5	(86.3-97.0)	173	67.6	(56.3-77.2)
\$15,000-\$19,999	381	79.7	(72.0-85.7)	159	92.6	(85.2-96.4)	222	68.2	(56.6-77.9)
\$20,000-\$24,999	526	73.6	(65.8-80.2)	200	84.6	(76.3-90.4)	326	65.4	(54.1-75.2)
\$25,000-\$34,999	756	77.6	(73.4-81.4)	351	88.0	(83.5-91.4)	405	64.8	(58.0-71.0)
\$35,000-\$49,999	1,019	73.0	(69.3-76.5)	489	86.6	(82.7-89.7)	530	58.3	(52.3-64.0)
\$50,000-\$74,999	980	71.5	(67.7-74.9)	463	83.5	(78.7-87.4)	517	57.7	(52.2-63.1)
\$75,000+	972	69.0	(65.5-72.3)	508	77.5	(73.0-81.4)	464	57.1	(51.4-62.6)
Education									
8th Grade or Less	186	87.9	(81.3-92.4)	*	*	*	*	*	*
Some High School	277	85.2	(77.9-90.4)	128	95.4	(90.3-97.9)	149	73.2	(60.3-83.2)
High School or G.E.D.	1,865	78.7	(75.7-81.5)	902	90.5	(87.9-92.6)	963	64.6	(59.2-69.6)
Some Post-High School	1,616	71.7	(68.5-74.6)	620	84.9	(80.9-88.1)	996	60.6	(56.2-64.8)
College Graduate	1,811	66.1	(63.1-69.0)	789	76.8	(72.9-80.2)	1,022	54.8	(50.5-59.2)
Employment Status									
Employed for Wages	2,860	72.7	(70.4-74.8)	1,190	83.5	(80.9-85.9)	1,670	61.6	(58.2-64.9)
Self-employed	884	78.7	(74.9-82.0)	603	86.6	(82.5-89.9)	281	56.6	(49.3-63.7)
Unemployed	138	79.3	(65.3-88.6)	*	*	*	*	*	*
Homemaker	343	63.3	(55.9-70.2)	*	*	*	*	*	*
Retired	1,210	72.3	(69.2-75.2)	548	81.3	(77.1-84.8)	662	62.4	(57.9-66.7)
Unable to Work	229	75.9	(68.0-82.4)	106	87.5	(77.1-93.6)	123	64.7	(51.8-75.8)
Marital Status									
Married/Unmarried Couple	3,627	70.2	(68.2-72.1)	1,673	81.8	(79.4-83.9)	1,954	57.9	(54.9-60.8)
Divorced/Separated	779	77.5	(73.6-80.9)	357	87.2	(82.0-91.0)	422	68.3	(62.6-73.5)
Widowed	709	73.4	(69.5-77.0)	152	84.3	(75.8-90.1)	557	70.1	(65.7-74.3)
Never Married	634	83.5	(78.0-87.8)	367	94.6	(91.5-96.6)	267	66.4	(55.2-76.0)

Note: *Results based on sample sizes less than 100 have been suppressed.

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2007

Further Analysis

Following are data illustrating the percent of those who stated they do not use sun block most of the time for various health behaviors and conditions. For example, 83.5 percent of binge drinkers do not use sun block most of the time, while 70.6 percent of those who are not binge drinkers do not use sun block most of the time.

Table 52 Lack of Sun Block Usage for Selected Health Behaviors and Conditions, 2007			
Health Behavior or Condition	# Respondents	% No Sun Block	95% CI
Obese (BMI = 30.0+)	1,519	74.5	71.2-77.5
Overweight (BMI = 25.0-29.9)	2,191	76.2	73.9-78.4
Recommended Weight (BMI = 18.5-24.9)	1,750	70.4	67.0-73.6
No Leisure Time Physical Activity	1,401	80.2	77.3-82.9
Leisure Time Physical Activity	4,358	71.3	69.3-73.2
No Moderate Physical Activity	2,912	74.1	71.6-76.5
Moderate Physical Activity	2,600	71.6	69.2-73.8
No Vigorous Physical Activity	4,366	73.5	71.5-75.4
Vigorous Physical Activity	1,281	71.5	68.1-74.6
Less Than Five Servings of Fruits and Vegetables	4,621	75.3	73.4-77.1
At Least Five Servings of Fruits and Vegetables	1,139	63.1	59.1-66.9
Current Smoker	1,096	80.7	77.2-83.7
Former Smoker	1,659	74.4	71.6-77.1
Never Smoked	2,997	69.8	67.3-72.2
Smokeless Tobacco Use	295	89.0	83.7-92.7
No Smokeless Tobacco Use	5,469	72.1	70.3-73.7
Diabetes	493	80.2	75.4-84.2
No Diabetes	5,271	72.6	70.9-74.3
Hypertension	1,816	74.6	72.0-77.1
No Hypertension	3,945	72.6	70.6-74.6
High Blood Cholesterol	1,805	72.8	70.1-75.4
No High Blood Cholesterol	2,929	68.8	66.4-71.1
No Health Insurance (18-64)	369	80.0	74.1-84.9
Health Insurance (18-64)	3,766	71.6	69.5-73.6
Employer Based Health Insurance Coverage (18-64)	2,454	70.0	67.6-72.4
Private Health Insurance Plan (18-64)	536	77.2	72.5-81.4
Medicare (18-64)	114	83.2	74.0-89.6
Medicaid or Medical Assistance (18-64)	129	74.0	57.9-85.5
The Military, CHAMPUS, TriCare, or the VA (18-64)	215	61.4	49.2-72.4
The Indian Health Service (18-64)	245	82.5	75.3-87.9
No Flu Shot (65+)	380	83.2	77.9-87.4
Flu Shot (65+)	1,150	71.8	68.6-74.7
No Pneumonia Shot (65+)	551	79.6	75.3-83.2
Pneumonia Shot (65+)	911	70.6	66.9-74.0
Doesn't Know Cervical Cancer - HPV Connection (Females)	594	70.4	65.6-74.9
Knows Cervical Cancer - HPV Connection (Females)	2,564	58.9	56.0-61.8
Drank Alcohol in Past 30 Days	3,154	73.7	71.6-75.6
No Alcohol in Past 30 Days	2,586	72.3	69.3-75.0
Binge Drinker	808	83.5	80.1-86.4
Not a Binge Drinker	4,863	70.6	68.7-72.5
Heavy Drinker	196	82.9	76.0-88.1
Not a Heavy Drinker	5,413	72.5	70.7-74.2
Previously Had a Heart Attack	353	80.9	73.8-86.4
Never Had a Heart Attack	5,393	72.7	71.0-74.4
Have Angina or Coronary Heart Disease	301	80.1	74.1-85.1
Do Not Have Angina or Coronary Heart Disease	5,413	72.8	71.1-74.5
Previously Had a Stroke	186	78.6	70.7-84.8
Never Had a Stroke	5,566	73.0	71.3-74.6
Current Asthma	383	71.8	64.8-77.8
Former Asthma	152	70.7	60.2-79.4
Never Had Asthma	5,201	73.3	71.5-75.0
Arthritis	1,919	71.1	68.4-73.7
No Arthritis	3,829	73.7	71.7-75.7

Table 52 (continued) Lack of Sun Block Usage for Selected Health Behaviors and Conditions, 2007			
Health Behavior or Condition	# Respondents	% No Sun Block	95% CI
Arthritis - Activities Limited	879	72.4	68.3-76.2
No Arthritis - Activities Limited	4,856	73.1	71.3-74.9
Fair or Poor Health Status	838	77.5	73.1-81.4
Excellent, Very Good, or Good Health Status	4,913	72.5	70.7-74.3
Physical Health Not Good for 30 Days of the Past 30	339	78.2	72.0-83.4
Physical Health Not Good for 0-29 Days of the Past 30	5,330	72.9	71.2-74.6
Mental Health Not Good for 20-30 Days of the Past 30	290	78.4	71.7-83.8
Mental Health Not Good for 0-19 Days of the Past 30	5,388	72.8	71.1-74.5
Usual Activities Unattainable for 10-30 Days of the Past 30	347	74.1	67.8-79.5
Usual Activities Unattainable for 0-9 Days of the Past 30	5,376	73.1	71.4-74.8
Dissatisfied / Very Dissatisfied with Life	207	83.1	74.9-89.0
Satisfied / Very Satisfied with Life	5,529	72.8	71.1-74.4
Physical, Mental, or Emotional Disability	1,175	72.3	68.5-75.8
No Physical, Mental, or Emotional Disability	4,578	73.2	71.3-75.0
Disability with Special Equipment Needed	406	71.7	65.9-76.9
No Disability with Special Equipment Needed	5,355	73.2	71.4-74.8
Two or More Hours of TV Watched Per Day	4,209	73.9	71.9-75.7
Less Than Two Hours of TV Watched Per Day	1,488	70.9	67.5-74.1
Never Been Tested for HIV (18-64)	3,178	73.2	70.9-75.3
Been Tested for HIV (18-64)	923	72.1	68.0-75.8
Diarrhea in Past 30 Days	819	76.7	71.7-81.0
No Diarrhea in Past 30 Days	4,916	72.5	70.7-74.2
Military Veteran	894	82.8	79.5-85.7
Not a Military Veteran	4,867	71.6	69.7-73.4

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2007